

ASSOCIATED STUDENTS, INC.
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO CAMPUS

SO N° 9035

Disbursement Authorization
(This is NOT a Purchase Order)

☐ Pay to ke Coca-Cola Bottling Co. of Santa Maria Invoice No. _____ Amount \$ 191.75

☐ Issue Purchase Order to _____ Date Required 7-31-80

Address Jones and McCelland Streets P.O. Box 556 Santa Maria CA

Quantity	Please Order Items Listed Below	Unit Price	Amount
	Coke B: 11		191.75

Club or Activity Amateur Radio Account Number 5144

☒ Please Mail

☐ Hold in A.S.I. Office

\$ _____
Tax _____
\$ 191.75

Balance Available \$ 447.72 Amount This Purchase \$ 191.75 Remaining Balance \$ 305.97

Treasurer Larry G. Boyer

Advisor _____

Spreadsheet for
items on top shelf
is made but not
printed (CALPOLY)
(DLRC32)

PAYMENT ADVICE

SO N° 9035

Club or Activity _____

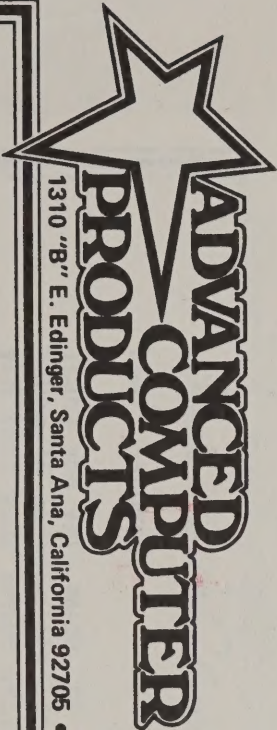
Additional Chg. _____

Date Paid _____

Credit _____

Amount \$ _____

By _____



1310 "B" E. Edinger, Santa Ana, California 92705 • P.O. Box 17329, Irvine, Calif. 92713



SEP 28 1980

cto Chase Hill - Parts Manager
The Kelly Amateur Radio Club.
Box No. 53
San Luis Obispo, Ca. 93407

334.22

8129680

EX-1

14:30

16:00



19
Date

August 30, 80

of Chris Hill - Parts Manager
Cal Poly Amateur Radio Club
Box No 53
San Luis Obispo Ca 93407

Dear Customer:

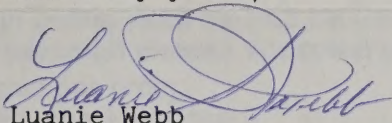
Thank you very much for your order. Due to the volume we receive, it takes 15 working days to process all personal check orders. I assure you that your order will have the utmost attention and will be processed as soon as possible.

Our Customer Service Department will be glad to answer any questions about your order after a period of 20 days. You may contact them at (714) 558-8813 between the hours of 10:00 a.m. and 4:00 p.m., Monday through Friday.

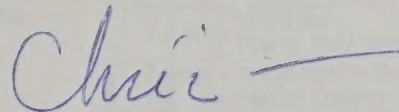
To speed up your order processing, on all future orders please send a Cashier's Check or Money Order.

Again, thank you for your patience. If there are any further questions about your order, please feel free to contact me.

Sincerely yours,


Luanie Webb
Sales

LW/mr


Chris —
Everything is OK
— Tracy —



Order Form

1355 SHOREWAY ROAD
BELMONT, CA 94002
PHONE ORDERS WELCOME
PHONE (415) 592-8097
1980

YES: WE WOULD LIKE YOU TO SHIP US THE FOLLOWING:

Item No.	QTY.	PART NUMBER	SPEC. SHEETS	PRICE EACH	AMOUNT EXTENDED
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

SPEC SHEETS (Add \$.25 per Spec Sheet)

TOTAL
SPEC SHEETS

@ .25 EACH

All foreign orders must be paid by Cashier's Check or Money Order. **No personal checks accepted on any foreign orders.**

Please ship this order:

- ☐ Prepaid (check enclosed) ☐ C.O.D.
☐ Net 30 Days (Account must be previously established)

Sorry, we do not accept credit cards.

SUB-TOTAL

TAX — 6% Sales
(Calif. Residents)

Postage — 5% of total order
(15% for Foreign Delivery)

INSURANCE — Add \$1.00
(we are not responsible for
uninsured parcels)

TOTAL

CUSTOMER NUMBER
(See catalog mailing label)

NAME:

NAME:

ADDRESS:

SHIP TO ADDRESS:

CITY:

CITY:

STATE:

ZIP CODE:

STATE

ZIP CODE:

PHONE NUMBER:

PHONE NUMBER:

PURCHASE ORDER NUMBER (Established accounts only):

DO YOU NEED A NEW CATALOG YES _____ NO _____

— \$10.00 MINIMUM ORDER —

IMPORTANT

Please keep the individual item sheets and packing slip until the crystals have been checked for proper operation in your equipment.

If there are questions please return the item sheet and packing slip with the crystals since it gives the ICM Catalog number, Factory order number, etc., so that we may follow through with your questions. Without this information your order may be delayed.

Temperature Compensation

Crystals requiring close temperature tolerance are supplied with data as to temperature vs frequency characteristics. Crystal angles are chosen so that the curve falls within compensation range of the oscillator (in which it is to be installed). To insure operation of the oscillator and crystal within tolerance over a wide temperature range, component values in the compensation network must be selected to correct the crystal curve. The curve of the new crystal may or may not match the curve of the crystal being replaced. After installation and tune-up, the customer should check the oscillator frequency over the temperature range the equipment will be operating. International has the facilities for making these oscillator temperature tests, and offers this service to customers at a nominal charge.

Installation

Care should be taken when installing crystals in your equipment. DO NOT overheat the base-to-can seal, or the vent hole seal. Attempting to solder at these points will damage the crystal.

Listed below are a few of the common problems encountered by customers during installation:

- Solder bridges between components.
- Defective oscillator components.
- Incorrect oscillator module type for equipment being used.
- Low output (large frequency change requires retuning all stages following oscillator).
- Oscillator trim (where inductive trim is used, value of inductance must be changed with ranges — usually large frequency changes).
- Oscillator trim (some units use small variable for fine trim and large fixed capacitor for rough trim). Unit may require changing fixed capacitor.

WARRANTY

1. Crystals will be within tolerance and are guaranteed only to work in the equipment or oscillator load as shown on the calibration chart.
2. All International Crystals are guaranteed against defective materials and workmanship for an unlimited time when used in the correct equipment or oscillator load.
3. All crystals should be checked immediately upon receipt. Any damage must be reported to International Crystal within 10 days of receipt of order. The crystals should then be returned for inspection and replacement. Credit will not be allowed after this 10-day period for crystals damaged in the mails.
4. Crystals are custom made to your order and are not stock items. Units therefore may be returned only under the conditions specified in our return material policy.

INTERNATIONAL CRYSTAL MANUFACTURING COMPANY, INC.

10 North Lee, Oklahoma City, Oklahoma 73102

6
7
8
9
10
11
12
13
14
15

ASSOCIATED STUDENTS, INC.
CAL POLY STATE UNIVERSITY
STUDENT ORGANIZATIONS

53

ACCOUNT BALANCE AS OF ...MARCH 31, 1980

AMATEUR RADIO

5144 00 00 000 0

\$988.66

As of 4/11 @ 9AM THIS WAS #477

ASSOCIATED STUDENTS INC.
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA 93407 • (805) 546-1291

WILLIE HUFF, President

NICK FORESTIERE, Vice President

September 25, 1980

This year, Cal Poly's Homecoming is scheduled for October 31 through November 2. We are trying to make our Homecoming Parade bigger and better, and to especially include more community groups.

This year's parade will be November 1 at 10 a.m., and will begin and end at the Mission School. The theme is "PRECIOUS MEMORIES" and will center around our salute to the classes of 1930 and 1955. We will have two categories; one for floats and the other for novelty entries.

If you would be interested in being a part of our parade, please call me at 546-2476 and leave a message for myself or Holly Smith or drop me a line at the:

Activities Planning Center
Homecoming Committee
APC Box 25
Cal Poly State University
San Luis Obispo, CA 93407

so that we can give you the necessary information and forms needed to enter.

Please respond before October 9 so that we can assure you a spot. Entries are coming in fast and we hope to have a really large parade this year. Have some fun with your group and join us in the parade.

Thank you for your time!

Sincerely,

Vivian Mullis

Vivian Mullis
Homecoming Chair

STUDENT ORGANIZATION
CHARTER RENEWAL APPLICATION
CAL POLY - SLO

Due in the APC
within two weeks
after elections.

NAME OF ORGANIZATION: Cal Poly Amateur Radio Club

DESCRIPTION OF ORGANIZATION: (The following will appear in the APC's "LEISURE RESOURCE FILE" which helps people to identify groups they may wish to join. It also helps you to recruit new members, so be as specific as possible. Use additional sheets if necessary.)

Basic Purpose/Goals of the Group: To provide emergency communications in times of natural disaster and to keep members prepared for such an event. Also to promote the advancement of the radio art.

Types of Activities (include major activities/events during past year and frequency of meetings): 1) National Simulated Emergency Test

2) Field Day (an ARRL sponsored emergency preparedness exercise)

3) Hidden Valley Ranch Olympic Horse Trials

4) EL lab parts supply store

Club meetings are held at 7:30 PM in room EE-128 on the

first Thursday of each quarter and the first and third

Thursday of each month.

Requirements to Join (include dues): An interest in amateur radio and being

a Cal Poly student. Lifetime dues are 5 dollars.

MEMBERSHIP (give number): Active 15 Inactive 10 Honorary _____ Other _____

AFFILIATION(S) (Dept., Other): ARRL, School of engineering Prepared By Jay Hamlin

INCOMING OFFICERS: I have read the bylaws of this organization and agree to abide by the provisions therein.

Office	Name (print legibly)	Signature	Phone
Pres.	<u>Eric Page</u>	<u>[Signature]</u>	<u>[Phone]</u>
V. Pres.	<u>Jay Hamlin</u>	<u>[Signature]</u>	<u>[Phone]</u>
Secy.	<u>Wayne A. [unclear]</u>	<u>[Signature]</u>	<u>[Phone]</u>
Treas.	<u>Wayne A. [unclear]</u>	<u>[Signature]</u>	<u>[Phone]</u>
ADVISOR	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Phone]</u>
Advisor Approval	<u>[Signature]</u>	<u>[Signature]</u>	
Dept. Head Signature/Date		School Dean Signature/Date	

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo

RESPONSIBILITIES OF STUDENT ORGANIZATIONS

Student organizations are chartered jointly by the ASI and the University as specified in ASI Code 2 and Campus Administrative Manual. A charter may be revoked at any time by a 2/3 vote of the Student Senate or by action of the University President. In order to obtain a charter and to have it renewed annually, each student organization must:

- A. Operate within the laws of the State of California and the policies and procedures of the California Polytechnic State University and the Associated Students, Inc.
- B. Carry out all activities in accordance with its bylaws.
- C. Process all amendments to the bylaws through the Activities Planning Center for the approval of the Associated Students, Inc. and the University.
- D. Report promptly all officer elections and appointments to the Activities Planning Center for inclusion in the "Student Organization Directory."
- E. Keep all funds in the Associated Students, Inc. accounting service. Exceptions may be made by action of the Student Senate and the approval of the President of the University.
- F. Submit an end-of-the-year summary report of activities, including names and signatures of new officers, advisors, and respective department head and school dean (Student Organization Renewal Application).
- G. Have a faculty sponsor approved by the University who will be a member of the executive committee of the chartered organization.
- H. Keep on file in the Activities Planning Center a current copy of the constitution and/or bylaws of any and all organizations with which the Cal Poly student organization is affiliated.

Student organizations shall not discriminate either in the content of bylaws or in practice against any person by reason of his race, color, age, ethnic background, religion, or sexual preference.

Student organizations or any members thereof shall not conspire to engage in hazing or commit any act that injures, degrades, or disgraces, or tends to injure, degrade, or disgrace any fellow student or person attending the University.

A minimum 2.0 GPA is required of all officers at the time of nomination and throughout their term of office.

Ask Ann Landers

CBers In Florida: Too Much Power?

Dear Ann Landers:

Please, may I use your column to reach "Old Orange Country"?

Dear Orange Country, Fla.: This afternoon I tried to use my CB radio to call my mother, who lives one mile away. It was impossible. Why? Because YOU are sitting down there in Florida with so much power you ruin all CBs here in central Illinois. It's against the law, in case you didn't know. It is also against the law to talk all afternoon.

It would be different if you were doing something important with your CB, but you rich Floridians are such egomaniacs all you're interested in is seeing how far out you can get, so you can brag.

Many a time I've looked out the window and seen my husband in the truck and wanted to tell him something on the CB but I couldn't because of you jerks in Florida with all that power. "This is the Bikini State Calling The Land of Lincoln." Who cares? Well, I DO and I am

—Mad In Illinois

Dear Mad:

Your beef should be evaluated by the CB operators. They know the score and I don't.

What about "Mad's" complaint? Is it valid? This is Annie Baby calling all good buddies in Landers Land — clue me soonest. ??????

l Health Opening day PMs

th
is
or
s-
ne
p
al
dividual therapy, art, family,
couples, marital and group
therapy.

While the evening hours may
especially benefit persons who
work, anyone may take advan-
tage of them, he added. The
evening programs are open to
anyone in Stanislaus County.

Dr. Watman said the south



DR. WALTER



UNIVERSITY UNION CASHIER

Foundation Business Office
California Polytechnic State University Foundation
San Luis Obispo, California 93407

No 020933

DATE 6/6 19 80

RECEIVED FROM

Tracy Blomgren

THE SUM OF

DOLLARS

\$ 10^{SE}

FOR

So. Amateur Radio

AMOUNT OF ACCOUNT \$ _____

AMOUNT PAID \$ _____

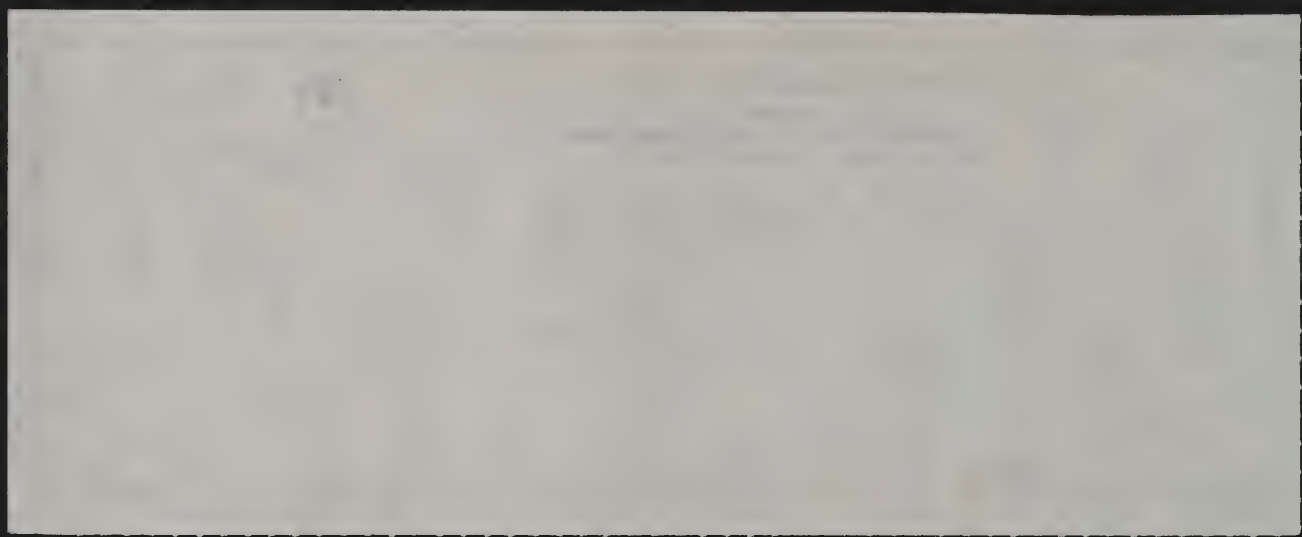
BALANCE DUE \$ _____

☐ CASH ☐ CHECK ☐ M.O.

Thank You!

BY

[Signature]



POLY ROYAL FINANCIAL REPORT
FOR CARNIVAL CONCESSIONS ONLY

NAME OF CLUB: CAI POLY AMATEUR RACE CLUB

DATE OF REPORT^a MAY 8, 1980

TYPE OF CONCESSION CAN CRUSHING CONTEST

1. GROSS INCOME: 1. 254.25

2. EXPENSES:^b (Itemize Below)

ASI BASIC FEE 25.00

ADRES (COFF) 73.25

DOUAL RENTAL 5.00

TOTAL EXPENSES: 2. 103.25

3. NET INCOME: (Line 1 minus line 2) 3. 151.00

AMOUNT PAYABLE TO ASI:^c

Check one: Option "A": No additional fees

\$75.00 paid previously

X Option "B": \$25.00 paid previously plus the following:

5% of NET from \$10.00 to \$50.00

10% of NET from \$50.01 to \$100.00

15% of NET from \$100.01 to \$150.00

X 20% of NET from \$150.01 to \$200.00

25% of NET on anything over \$200.01

4. \$30.20

THIS REPORT MUST BE TURNED INTO ASI BUSINESS OFFICE (UU 202) BY MAY 9

SIGNED: Larry C. Brown E. J. Clark

Club Treasurer

Club Advisor

IMPORTANT: a. Unless this report is turned in by May 9th, a penalty will be assessed against gross income.

b. There must be verifications of all expenses itemized, receipts, etc.

c. Club Treasurer must fill out and deliver a disbursement authorization (Form 76) payable to ASI Poly Royal Carnival as shown on Line 4.

PO. 50 6653

CIRCUIT SPECIALISTS CO.

Box 3047
Scottsdale, AZ 85257

phone (602) 966-0764

SHIP TO Assoc Students, Inc.

BILL TO _____

ADDRESS Calif Polytechnic State Univ

CITY San Luis Obispo STATE/PROVINCE Calif ZIP 93407

QTY

CATALOG NUMBER AND DESCRIPTION

PRICE

EACH

AMOUNT

1 ICM 7217 A

9.95

6/13 V

MINIMUM CHARGE ORDER \$15.00

TOTAL FOR GOODS

4% SALES TAX (AZ CUSTOMERS ONLY)

MINIMUM SHIPPING AND HANDLING

.50

ADDITIONAL POSTAGE

(MINIMUM .40)

INSURANCE

TOTAL

SIGNATURE _____

ACCOUNT NO. _____

EXP. DATE _____

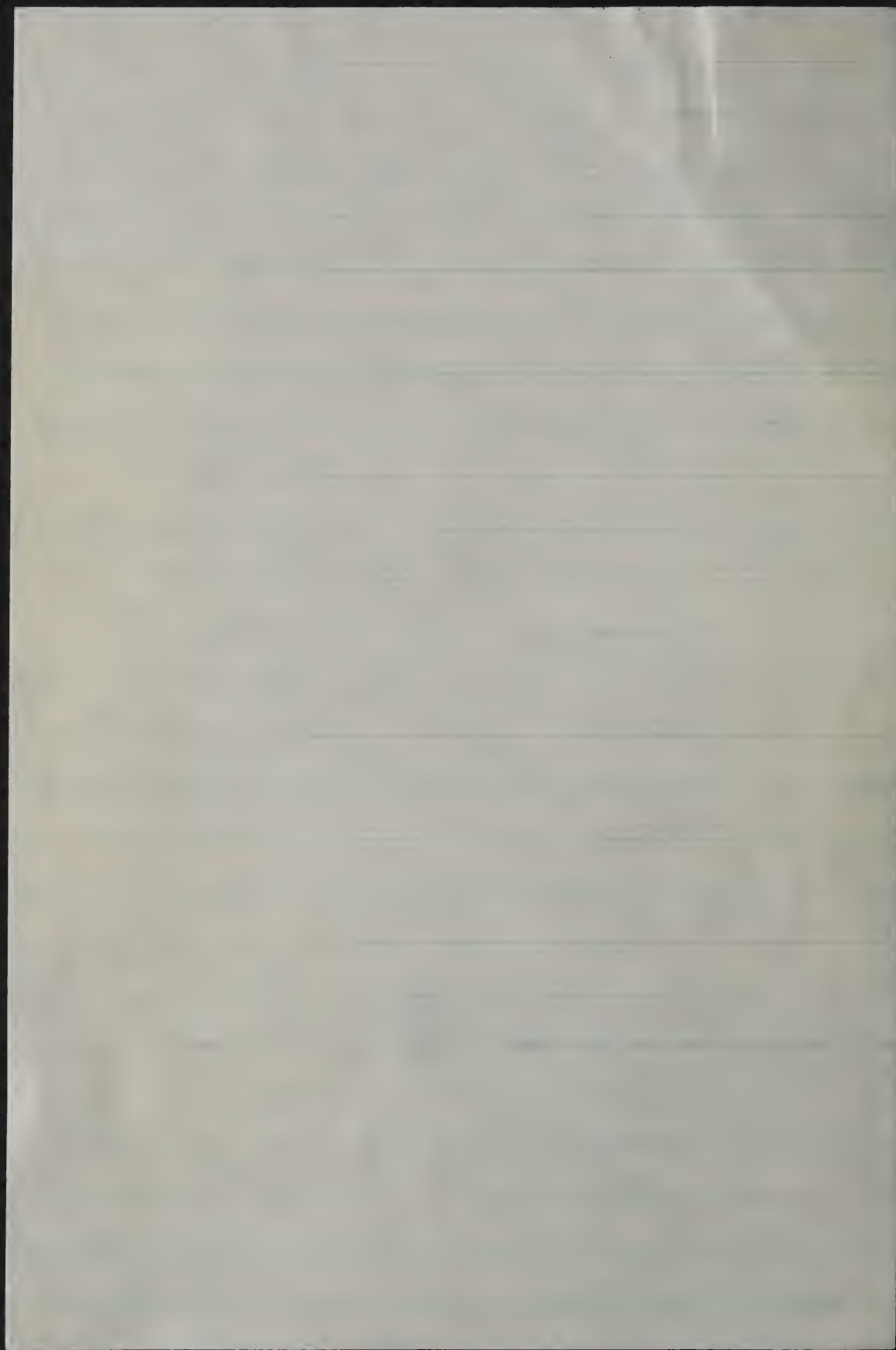
INTER BANK NO. _____



THE FOLLOWING PARTS WERE
SOLD TO THE CAL POLY AMATEUR RADIO CLUB

30 NE 555V	14.65
1 Sledgehammer handle	8.75
1 Parts Bin	19.08
Shitload of Resistors	100.-
PRESS-ON LETTERS FOR QSL CARD	<u>4.02</u>
	\$146.50

Paid 5/16/80	CL.	- 50.00
		<hr/>
Amount Due		96.50



57
PAYMENT ADVICE

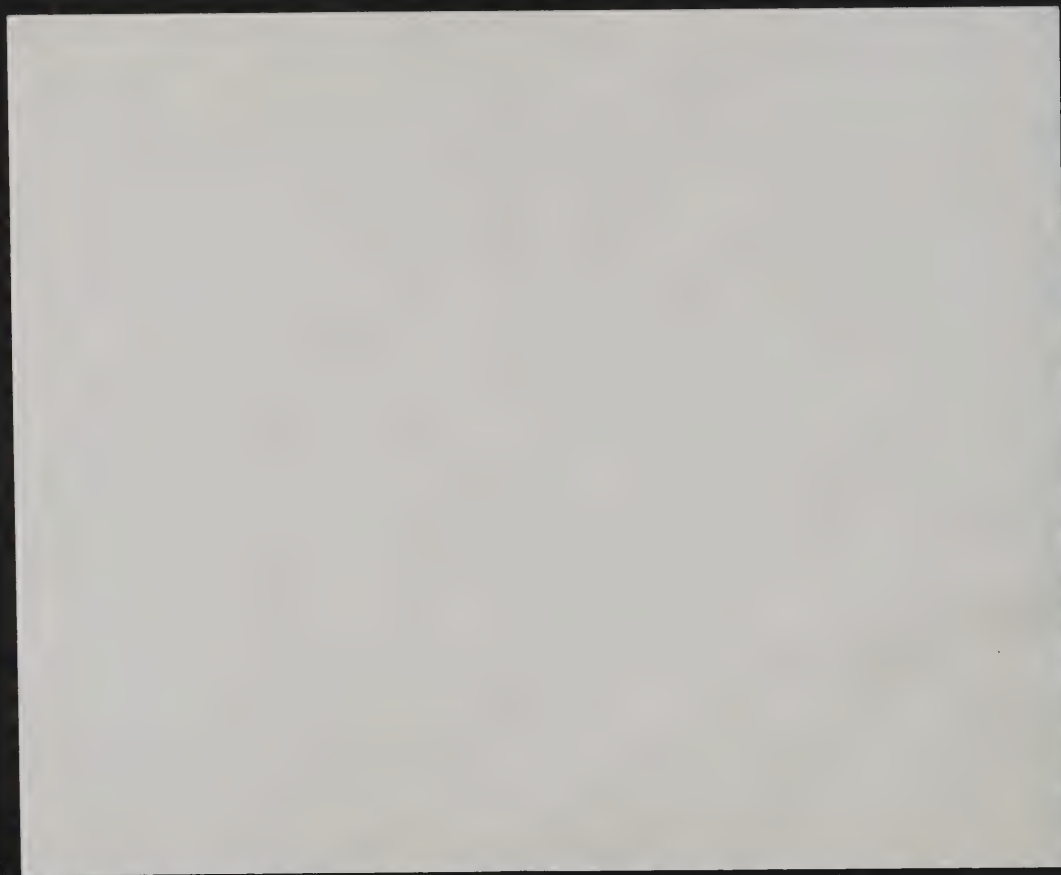
SO N° 9030

Invoice Name	<u>Circuit Specialist</u>	Additional Chg.	
Club or Activity	<u>Amateur Radio Club</u>	Invoice Number	<u>3188</u>
		Credit	<u>8.82</u>
Date Paid	<u>6/5/80</u>	Check No.	<u>12093</u>
		Amount \$	<u>45.47</u>
		By	<u>LB</u>

Poor Richard's Press

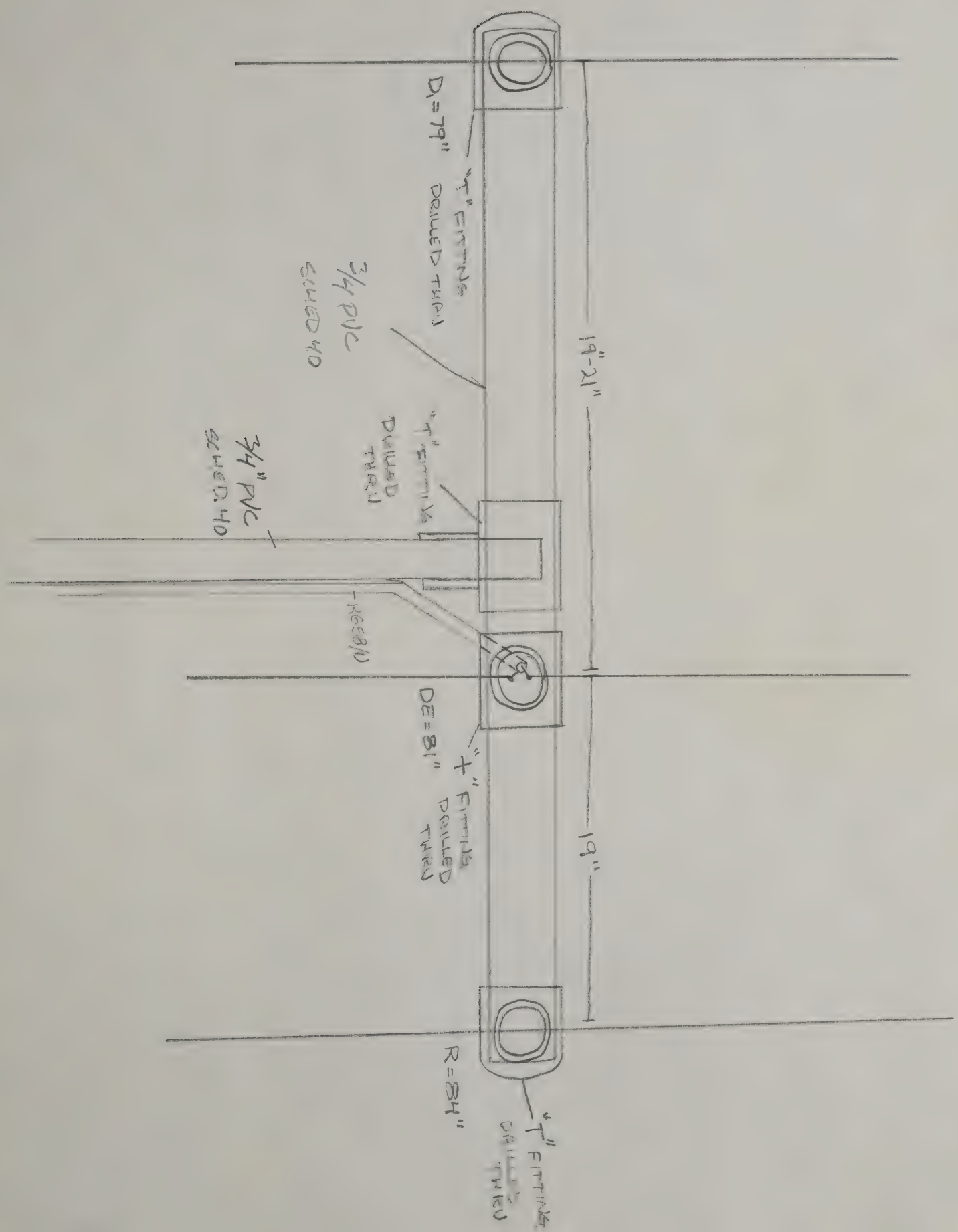
The Graphic Center Beebee Street, San Luis Obispo **543-6844**

W Murray Wallace
X4615

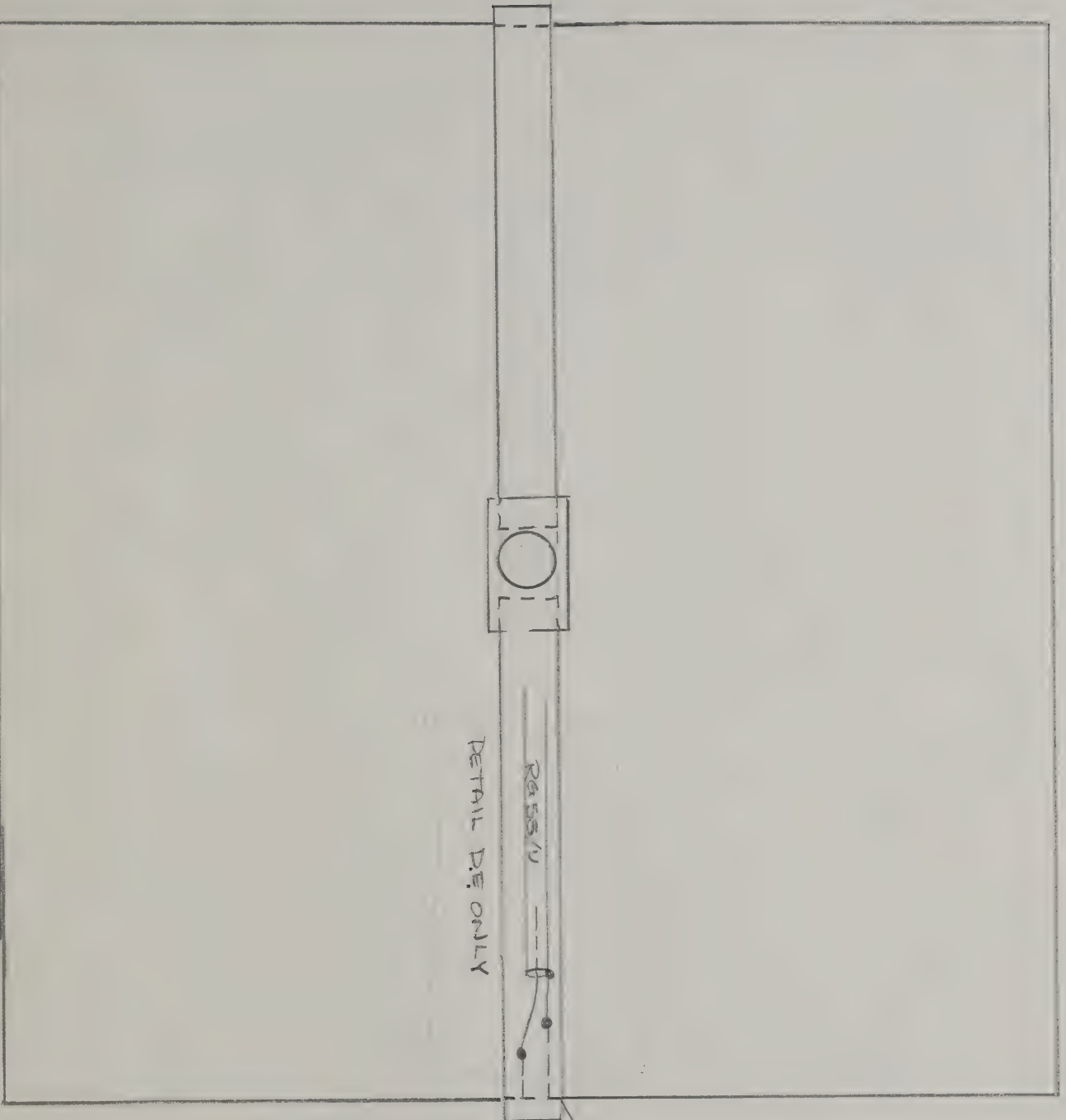


BOOM DETAIL

Heat flux = $2 \text{ cal/cm}^2\text{min}$



SPREADER DETAIL



SCIT THIRD
PVC-SEAL
WITH SILICONE
GLUE

SPACE NOT CRITICAL
BUT FOR BEST GAIN,
F/B, SHOULD BE ABOUT
 $\frac{1}{4} \lambda$ ($19''$).

FOR VERT. POLARIZATION,
FEED ON SIDE, FOR HORIZ.,
FEED ON BOTTOM, OR
BUILD AS ABOVE AND
MERELY ROTATE DE.
AROUND BOOM TO CHANGE
FROM VERT TO HORIZ.

SOLDER
OVERLAP

Memorandum

To : Radio Club

Date : April 21, 1980

File No.:

Copies :

From : Peter K. Phillips



Subject: Vending Machine Request -- Engineering East

I have reviewed the subject request and cannot approve it. The Radio Club has a soft drink vending machine in Room 116 in Engineering East which is approximately 140 feet from the proposed location. I believe that one machine in that area is sufficient.

CALIFORNIA POLYTECHNIC STATE UNIVERSITY FOUNDATION
San Luis Obispo, California

Vending Machine Permit

Permit Requirements, Guidelines and C.A.M. Policy (as attached)

The CAL POLY AMATEUR RADIO CLUB request a sublease permit with
Student Organization

the Foundation for the installation and operation of a coin-operated vending machine in accordance with the Vending Machine Policy and Procedures stated in the College Administrative Manual (C.A.M. #237 A-1 through 14, B-1 through 5). Under these procedures, the student organization hereinafter called the sublessee agrees to the following:

1. To pay the \$10.00 annual permit fee immediately upon receiving an invoice.
2. To pay all charges associated with the installation of the vending machine.
3. In cooperation with the vendor, to maintain the machine, peripheral equipment and immediate campus area to include walls, sidewalks, landscapes, trash receptacles, etc. in a clean and sanitary condition. Furthermore, to pay any costs incurred by the Foundation for providing either custodial or maintenance service necessary to maintain this condition when the sublessee does not provide it.
4. To assure that arrangements have been made with the state custodial department for trash receptacles and servicing no less than twice weekly. Returnable bottles should be stored in racks in an orderly fashion and should be picked up as the machine is serviced.
5. In cooperation with the Foundation Food Service Administrative Personnel, to negotiate with the vendor regarding service, prices and commissions. The vendor agrees to pay commissions on a predetermined scheduled basis by preparing a check and supporting documentation to the sublessee and remitting to the A.S.I. to be credited to their account.
6. This permit is subject to immediate cancellation by the Foundation Executive Director when the conditions of this permit and/or the Vending Machine Policy are not met.

If this request is approved, we agree to terms of the permit as stated above and understand that non adherence to these terms will result in immediate cancellation of the permit.

Request By Frank Verwoert
Organization President

Vendor COCA COLA
Firm

Approved By E. J. Chalmers
Advisor

Representative of Firm

Date 4-14-80

Date _____

Please complete entirely the following information.

1. Type of machine CANNED SOFT DRINK VENDOR
2. Proposed location ALCOVE BETWEEN 20-136 AND 20-137
3. Vending Company to provide service COCA COLA BOTTLING COMPANY of LOS ANGELES
4. Utility Requirements
 - a) Electrical load. Amps 9 Volts 110 Cycle 60
 - b) Is water required? Yes No X
 - c) Is drainage required? Yes No X
5. Dimensions of machine LESS THAN 32" x 32" x 6'
6. Have arrangements been made for trash receptacles in immediate area?
Yes ✓ No

I have evaluated the above request in accordance with the Vending Machine Permit Policy and Procedure and location and recommend that this request be approved.

University Facilities Planner NOT APPROVED SEE ATTACHED MEMO.
P.K. Phillips 21/APR/80
Signature Date

Director of Public Safety _____
Signature Date

University Chief of Plant Operations _____
Signature Date

Administrative Unit
in Charge of Machine
Area Location _____
Department Head, Dean, etc.
Signature Date

Dean of Students _____
Signature Date

This machine has been assigned Vending Permit No. _____ and a decal
will be attached to said machine to provide proper identification.

Administrative Assistant to Food Service Director Date

Foundation Executive Director Date

USE OF VENDING MACHINES

A. Policy

1. Vending machines dispensing food, beverages, merchandise or services and operating through a coin box mechanism are allowed only in designated areas on campus. (See C.A.M. Appendix IV for regulations on newspaper and similar vending machines.)
2. The operation and authorization to contract for such vending machines shall be the exclusive privilege of the California State Polytechnic College Foundation excepting those machines operated by and for the College.
3. The Foundation may sublease a vending operation, excepting tobacco products and those food and beverage items normally the responsibility of Foundation Food Service, to student organizations chartered by the Associated Students, Inc., and the College. Vending machines may not be individually owned.
4. The Foundation Special Services Coordinator is assigned the responsibility for approving recommendations and for issuing sublease permits for all vending machine installations covered by this section.
5. Permits so granted will be issued only after such factors as need for the machine, competition with other units, appearance, utilities, maintenance, and sanitation have been reviewed with appropriate College authorities.
6. Designated areas for placement of vending machines shall not interfere with instruction or other essential services, nor shall they be placed in any hallway, lobby, or corridor of any classroom, laboratory or office building, or where there is a likelihood of damage to floors or walls.
7. Tobacco products vending is permitted only inside the El Corral College Bookstore and Foundation Food Service areas.
8. Location of vending machines will be determined by the Special Services Coordinator after consultation with the College Facilities Planner. Area approval, when appropriate, will be obtained from the Chief Security Officer, College Chief of Plant Operations, State Grounds Department, State Custodial Section, and the administrative unit in charge of the facility location under consideration.
9. Permits granted to student organizations shall be for a specific type of vending machine in a specifically designated area on an annual basis with a renewal option and on a fee basis. When a location for a vending machine has been approved, the machine cannot be moved without prior permission of the Foundation.

10. An annual charge of ten (\$10) dollars for each sub-leased vending machine shall be paid in advance direct to a Foundation Vending Machine Fund for the purpose of defraying administration costs of the above policy. The Foundation Executive Director will authorize all expenditures from this fund.
11. A Foundation supplied decal will be attached in the upper right-hand corner to each vending machine which will designate the organization to which the permit is issued, the location to which the machine is assigned, the owner-vendor of the merchandise within the machine, and a telephone number for the purpose of reporting machine malfunction.
12. All vending machines must be serviced and maintained by the owner-vendor supplying the merchandise for said machine.
13. Any and all installation charges for subleased vending machines will be assessed and paid in advance by permit holder as determined by the Foundation Special Services Coordinator in consultation with the College Chief of Plant Operations.
14. Permits are subject to immediate cancellation by the Foundation Executive Director upon the recommendation of the Foundation Special Services Coordinator when conditions of the sublease agreement have been violated.

B. Procedure

In order to operate a vending machine, the following procedures are required.

1. The officers of an organization making a request shall obtain three copies of the Vending Machine Permit from the Foundation Special Services Coordinator, at which time, the Special Services Coordinator will review regulations concerning the operation of a vending machine with the persons making the request.
2. Items on the form shall be completed by officers of the organization, and the form shall be signed by the President, Secretary, and the Advisor indicating approval.
3. Two copies of the form shall be returned to the Special Services Coordinator, one of which will be forwarded to the Associated Students, Inc., Business Office, and one copy shall be retained by the organization.
4. The Special Services Coordinator shall evaluate the request in accordance with policy stated above.

(Use of Vending Machines)

5. The Special Services Coordinator shall obtain clearances from the following:
 - a. College Facilities Planner - for impact on general campus appearance.
 - b. Chief Security Officer, College Chief of Plant Operations, Supervising Groundsman, and Supervising Custodian - for matters relating to their functional responsibility.
 - c. Administrative unit in charge of machine area location - for compliance with their administrative responsibility.
 - d. Dean of Students - for equity of treatment to student organizations.



THE AMERICAN RADIO RELAY LEAGUE, INC.

HEADQUARTERS SOCIETY OF THE INTERNATIONAL AMATEUR RADIO UNION

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111

HARRY J. DANNALS
W2HD, PRESIDENT

VICTOR C. CLARK
W4KFC, FIRST VICE PRES.

NOEL B. EATON
VE3CJ, VICE PRES.

CARL L. SMITH
WØBWJ, VICE PRES.

JOHN HUNTOON
W1RW, TREASURER

RICHARD L. BALDWIN
W1RU, SEC. & GEN. MGR.

203-666-1541

QST

OFFICIAL JOURNAL

May 30, 1980

California Polytechnic State University ARC
c/o Bill Weaver, WA6FSP, President
Box 53
Cal Poly
San Luis Obispo, CA 93407

Dear Bill:

Our Membership Section has completed the checking of your member list and we are at once referring your application for affiliation to Jay Holladay, W6EJJ, 5128 Jessen Dr., La Canada, CA 91011, your Southwester Division Director, for proper endorsement. Once this is received, your application will be referred to the members of the ARRL Executive Committee. If approved, a charter will be sent to your club without cost.

We thank you for your cooperation and wish your club the best of success.
73.

Sincerely yours,

Vicky Armentano
Club and Training Dept.

AMERICAN RADIO RELAY

LEAGUE INC.

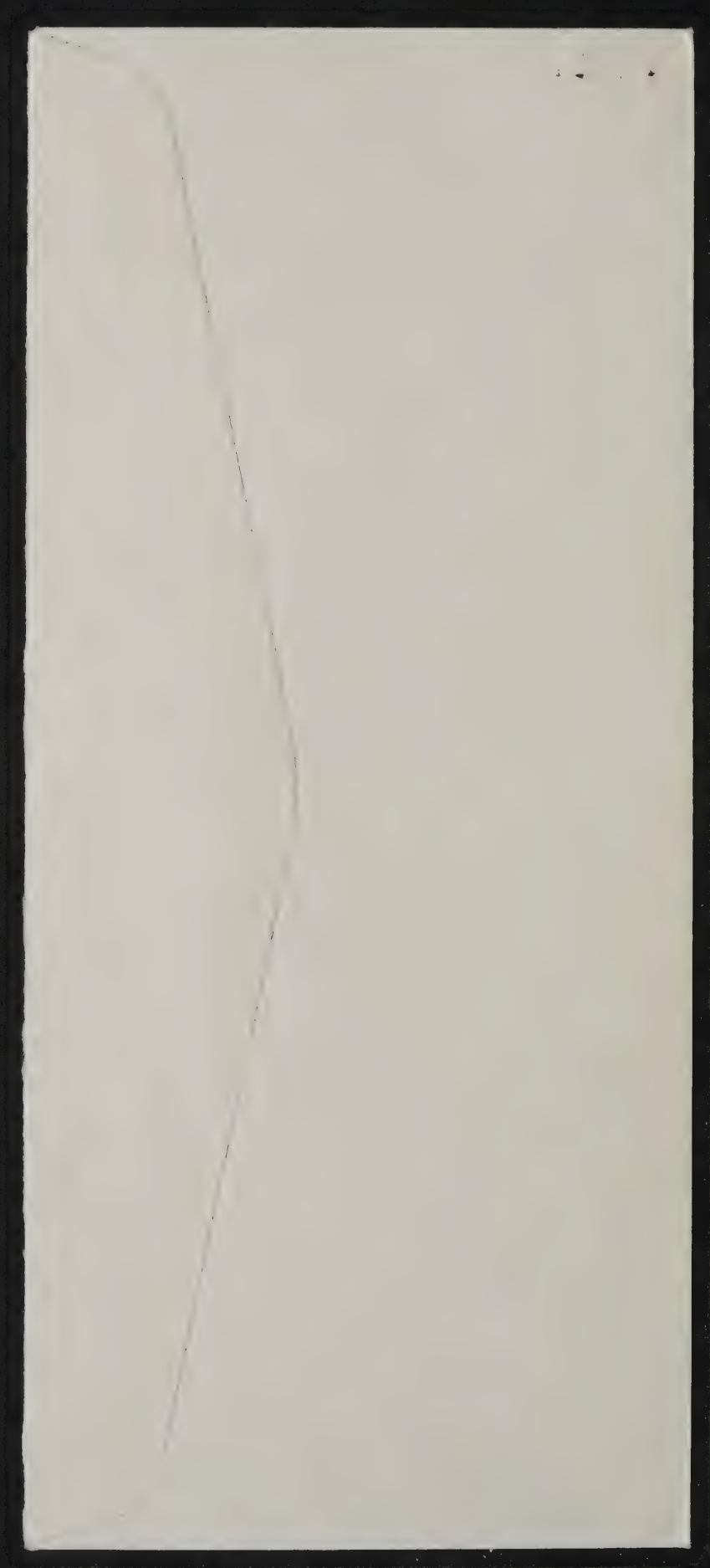


NEWINGTON, CT. U.S.A. 06111

California Polytechnic State University ARC
c/o Bill Weaver, WA6FSP, President
Box 53
Cal Poly
San Luis Obispo, CA 93407

FIRST CLASS





PLEASE CIRCLE MEETING DATES

S M T W Th F S

SEPTEMBER

	22	23	24	25	26	27
28	29	30				

OCTOBER

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER

	1	2	3	4	5	6
7	(8)	(9)	(10)	(11)	(12)	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	(16)	(17)	(18)	(19)	(20)	21
22	23	24	25	26	27	28
29	30	31				

APRIL

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24*	25*
26	27	28	29	30		

MAY

				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE

	1	2	3	4	5	6
7	(8)	(9)	(10)	(11)	(12)	13
14	15	16	17	18	19	20
21						

Received by
Activities Office _____

ROOM REQUEST FOR THE 1980-81 YEAR

Fall Qtr	<u>X</u>
Winter Qtr	<u>X</u>
Spring Qtr	<u>X</u>

GROUP NAME CAL POLY AMATEUR ROOM CLUBMeeting Day FIRST THURSDAYSRoom No. EE 128Meeting Time 730 PM Open Room at _____Requested by: Frank Vermont
(Student Officer)543-3719 (Phone)Faculty Adviser E. J. Clestin
(Signature)444-1311 (Phone)

MEETINGS ARE AUTOMATICALLY LISTED IN "THE PONY"

Excluded from this request are dates of:

Academic Holidays	--
Commencement	
Finals	()
Poly Royal	*

Please advise the Activities Office (546-2476) of any changes or cancellations which would free your room for another use. Also, report if your room was not opened on the date requested. Thank you.

NOTES: _____

White (Activities)	Yellow (Organization)
Green (Adviser)	

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20554

MAY 28 1980

IN REPLY REFER TO:

7830-8/PUB-10/AM

Mr. Bill Weaver
Cal Poly Amateur Radio Club
Box 53
California Polytechnic State
University
San Luis Obispo, CA 93407

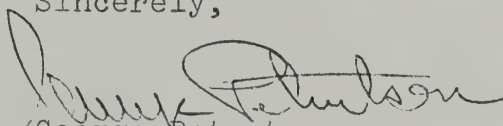
Dear Mr. Weaver:

In response to your recent inquiry, I am able to inform you that all of the alternative methods of amateur radio club station identification, suggested in your letter, are correct and optional.

The trustee is responsible for communications transmitted under the club station license (Section 97.79(a)). You may often find it preferable to require members to operate under their individual primary station licenses, reserving use of the club call for special club activities. When the control operator uses his/her primary call sign, the station is then in portable operation (Section 97.3(1) and Section 97.81). In either case, proper logging must be made (Section 97.103).

I hope you will find this reply is complete and responsive to your inquiry. Thank you for your interest in the Amateur Radio Service.

Sincerely,


George Petrutsas
Chief, Rules Division

Activities-White
School Dean-Yellow
ASI Business-Yellow
Student Org.-Green

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo

DUE IN APC OFFICE
WITHIN TWO WEEKS
AFTER ELECTIONS

STUDENT ORGANIZATION
CHARTER RENEWAL APPLICATION

Name of Organization _____

Affiliation(s) (Dept., other) _____

Membership (give number) Active 200 Inactive 300 Honorary 10 Other _____

Summary of Activities (describe major activities/events during past year): Attach additional sheets if necessary.

Prepared by _____

I have read the bylaws of this organization and agree to abide by the provisions therein:

	<u>OUTGOING OFFICERS</u>	<u>INCOMING OFFICERS</u>	<u>INCOMING OFFICERS</u>	<u>PHONE #</u>
<u>Office</u>	<u>Name (print)</u>	<u>Name (print legibly)</u>	<u>Signature</u>	
Pres.	_____	_____	_____	_____
V. Pres.	_____	_____	_____	_____
Secy.	_____	_____	_____	_____
Treas.	_____	_____	_____	_____
_____	_____	_____	_____	_____
*SCR	_____	_____	_____	_____
*SCR	_____	_____	_____	_____
Advisor	_____	(for past year)	_____	_____

Advisor (for new year) : _____
print _____ signature _____ date _____

Advisor Approval: _____
Department Head Signature _____ date _____

Advisor Approval: _____
School Dean Signature _____ date _____

*School Council Representative

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo

RESPONSIBILITIES OF STUDENT ORGANIZATIONS

Student organizations are chartered jointly by the ASI and the University as specified in ASI Code 2 and Campus Administrative Manual. A charter may be revoked at any time by a 2/3 vote of the Student Senate or by action of the University President. In order to obtain a charter and to have it renewed annually, each student organization must:

- A. Operate within the laws of the State of California and the policies and procedures of the California Polytechnic State University and the Associated Students, Inc.
- B. Carry out all activities in accordance with its bylaws.
- C. Process all amendments to the bylaws through the Activities Planning Center for the approval of the Associated Students, Inc. and the University.
- D. Report promptly all officer elections and appointments to the Activities Planning Center for inclusion in the "Student Organization Directory."
- E. Keep all funds in the Associated Students, Inc. accounting service. Exceptions may be made by action of the Student Affairs Council and the approval of the President of the University.
- F. Submit an end-of-the-year summary report of activities, including names and signatures of new officers, advisors, and respective department head and school dean (Student Organization Renewal Application).
- G. Have a faculty sponsor approved by the University who will be a member of the executive committee of the chartered organization.
- H. Keep on file in the Activities Planning Center a current copy of the constitution and/or bylaws of any and all organizations with which the Cal Poly student organization is affiliated.

Student organizations shall not discriminate either in the content of bylaws or in practice against any person by reason of his race, color, age, ethnic background, religion, or sexual preference.

Student organizations or any members thereof shall not conspire to engage in hazing or commit any act that injures, degrades, or disgraces, or tends to injure, degrade, or disgrace any fellow student or person attending the University.

A minimum 2.0 GPA is required of all officers at the time of nomination and throughout their term of office.

F.C.C.
555 Battery Street
San Francisco, CA

Dear Sir:

Our Club (The Cal Poly Amateur Radio Club, W6BHZ) has run into a sort of interperative dilemma.

It is presently club policy to require that anyone using club equipment in the club station must use the club call and log any operation in the club log book. (With a signature to accompany each entry.) However, there are those who insist that should they hook their own equipment to our antenna system they may use their own call. Or, if they bring their own log they may use their own call. (There are even those who insist they may use their call at their discretion.)

Any help you may give us in defining the legal requirements for club station identification and logging would be greatly appreciated.

Thank You



Bill Weaver
Club President
Cal Poly Amateur Radio Club
Box 53
California Polytechnic State Univ.
San Luis Obispo, CA 93407

FEDERAL COMMUNICATIONS COMMISSION

FIELD OPERATIONS BUREAU

3711 Long Beach Blvd., Suite 501
Long Beach, Calif. 90807

DATE: 2/26/80

Bill Weaver, Club President
Cal Poly Amateur Radio Club
Box 53
Calif. Polytechnic State Univ.
San Luis Obispo, CA 93407

TO SPEED OUR REPLY

We are using this informal way to handle your inquiry and we hope you agree that a prompt response is more important than formality.

Please refer to the item(s) checked below for your reply.

☐ The enclosed material should adequately respond to your inquiry. Any further questions you may have should be directed to the above address.

☒ The information you have requested cannot be handled by this office. Therefore, it has been directed to the ~~Secretary~~, Personal Radio Div. Federal Communications Commission, Washington, D.C. 20554. Any additional correspondence regarding this matter should be forwarded directly to that address.

☐ The information you have requested does not come under the jurisdiction of this agency. Therefore, we have taken the liberty of forwarding your correspondence to:

☐ Other -

Sincerely,



Supervisor

/gp

FEDERAL COMMUNICATIONS COMMISSION

3711 LONG BEACH BLVD., SUITE 501
LONG BEACH, CALIFORNIA 90807

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

AN EQUAL OPPORTUNITY EMPLOYER



ALWAYS USE

ZIP CODE



POSTAGE AND FEES PAID
FEDERAL COMMUNICATIONS COMMISSION



FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20554

MAY 28 1980

IN REPLY REFER TO:

7830-8/PUB-10/AM

Mr. Bill Weaver
Cal Poly Amateur Radio Club
Box 53
California Polytechnic State
University
San Luis Obispo, CA 93407

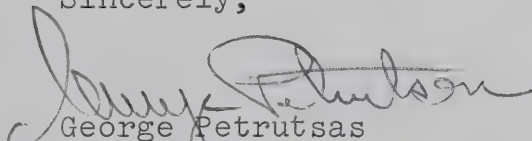
Dear Mr. Weaver:

In response to your recent inquiry, I am able to inform you that all of the alternative methods of amateur radio club station identification, suggested in your letter, are correct and optional.

The trustee is responsible for communications transmitted under the club station license (Section 97.79(a)). You may often find it preferable to require members to operate under their individual primary station licenses, reserving use of the club call for special club activities. When the control operator uses his/her primary call sign, the station is then in portable operation (Section 97.3(1) and Section 97.81). In either case, proper logging must be made (Section 97.103).

I hope you will find this reply is complete and responsive to your inquiry. Thank you for your interest in the Amateur Radio Service.

Sincerely,


George Petrutsas
Chief, Rules Division

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D. C. 20554

OFFICIAL BUSINESS

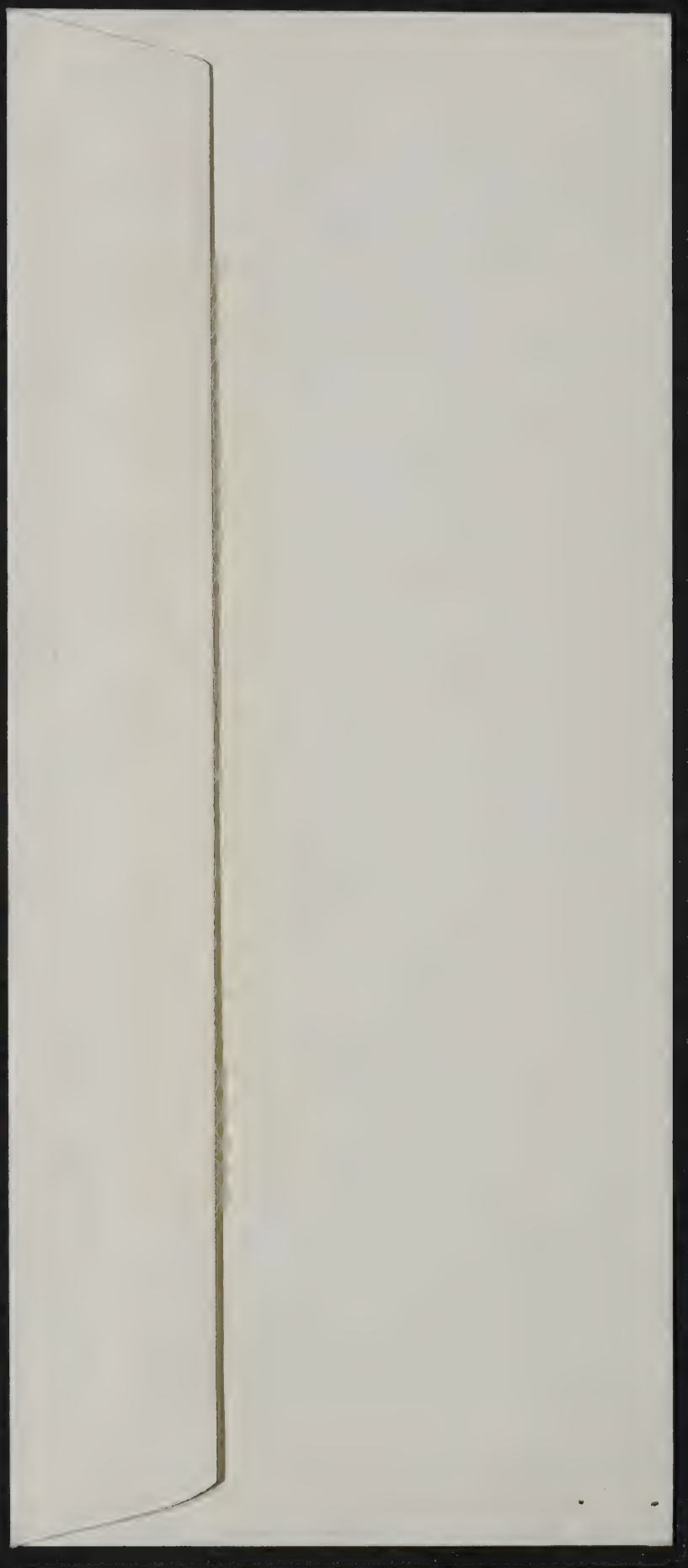
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
FEDERAL COMMUNICATIONS COMMISSION



Mr. Bill Weaver
Cal Poly Amateur Radio Club
Box 53
California Polytechnic State Univ.
San Luis Obispo, CA 93407

UN 0-1-100



WELCOME WEEK



June 2, 1980

Each Fall during Week of Welcome New Student Orientation, an opportunity exists for your organization to let the new students know what you're all about. WOW sponsors a University Union Night at which clubs and organizations can "tell their story" to incoming students.

U.U. Night will be on Thursday, September 18, this year. Over 150 clubs participated last year in this event. Over 2,500 new students were in attendance, which gave the clubs a chance to encourage membership and to get acquainted.

If you are interested in setting up a display or information table, please fill out this form and return it to Box 31 in the Activities Planning Center sometime before the end of Spring Quarter.

Due to changes in the University calendar, in addition to U.U. Night, it is possible this year for your club to organize a get-together for old members and prospective new members on the weekend following WOW, September 19-21 (Friday-Sunday). This would be an excellent opportunity to recruit new members, and we heartily recommend that you take advantage of this time.

Name of Organization: _____

Student in Charge: _____

Summer Address: _____ Phone: _____

Please describe your display (i.e., info table, exhibit, etc.), how much space you will need, and the number of tables and chairs you will need:



THE AMERICAN RADIO RELAY LEAGUE, INC.

HEADQUARTERS SOCIETY OF THE INTERNATIONAL AMATEUR RADIO UNION

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111

HARRY J. DANNALS
W2HD, PRESIDENT

VICTOR C. CLARK
W4KFC, FIRST VICE PRES.

NOEL B. EATON
VE3CJ, VICE PRES.

CARL L. SMITH
W0BWW, VICE PRES.

JOHN HUNTOON
W1RW, TREASURER

RICHARD L. BALDWIN
W1RU, SEC. & GEN. MGR

203-666-1541

QST
OFFICIAL JOURNAL

April 22, 1980

California Polytechnic State University ARC
c/o Bill Weaver, WA6FSP, President
Box 53
Cal Poly
San Luis Obispo, CA 93407

Dear Bill:

We have received your application for League affiliation. Before we can continue processing, we would like to know the dues assessed each member.

Also, your constitution states the club name shall be "Cal Poly Amateur Radio Club." All category 3 clubs must clearly show the nature of the club in the name. If your constitution were changed to reflect another name (as California Polytechnic State University ARC) this requirement would be satisfied.

If you have any questions, please don't hesitate to contact me.

Sincerely,

Sally O'Dell, AE8P
Club Program Manager
Club and Training Dept.

SO:va

AMERICAN RADIO RELAY

LEAGUE INC.

NEWINGTON, CT. U.S.A. 06111



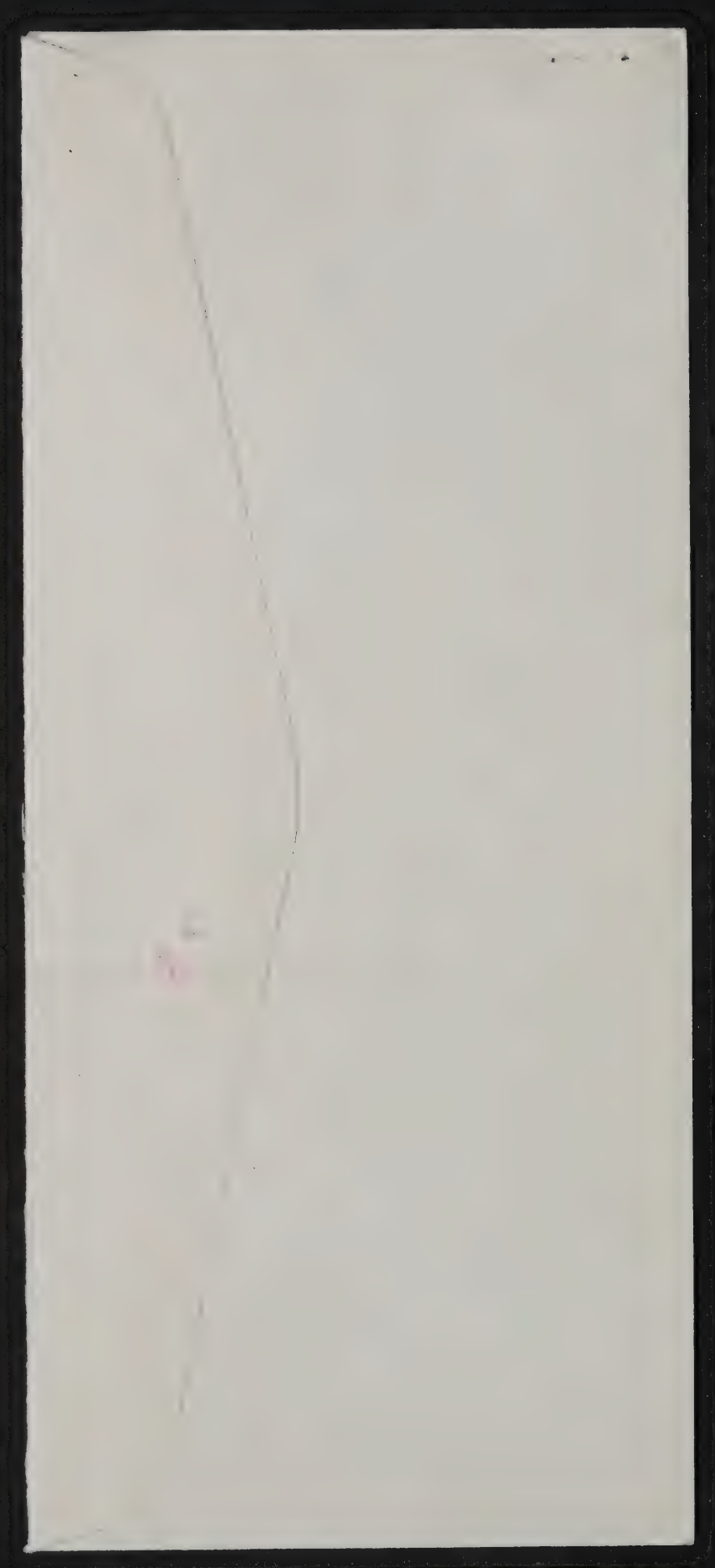
APR 25 1979

California Polytechnic State University ARC
c/o Bill Weaver, WA6FSP, President
Box 53
Cal Poly
San Luis Obispo, CA 93407



FIRST CLASS





POLY ROYAL FINANCIAL REPORT
FOR CARNIVAL CONCESSIONS ONLY

NAME OF CLUB Cal Poly Amateur Radio Club

DATE OF REPORT^a May 8, 1980

TYPE OF CONCESSION Can Crushing Contest

1. GROSS INCOME: 1. 254.25

2. EXPENSES:^b (Itemize Below)

ASI Basic Fee 25.00

Prizes (Coke) 73.25

Drum Rental 5.00

TOTAL EXPENSES: 2. 103.25

3. NET INCOME: (Line 1 minus line 2) 3. 151.00

AMOUNT PAYABLE TO ASI:^c

Check one:

☐ Option "A": No additional fees

\$75.00 paid previously

☒ Option "B": \$25.00 paid previously plus the following:

☐ 5% of NET from \$10.00 to \$50.00

☐ 10% of NET from \$50.01 to \$100.00

☐ 15% of NET from \$100.01 to \$150.00

☒ 20% of NET from \$150.01 to \$200.00

☐ 25% of NET on anything over \$200.01

4. \$30.20

THIS REPORT MUST BE TURNED INTO ASI BUSINESS OFFICE (UU 202) BY MAY 9

SIGNED: Frank Blomquist E.J. Clark
Club Treasurer Club Advisor

IMPORTANT: a. Unless this report is turned in by May 9th, a penalty will be assessed against gross income.

b. There must be verifications of all expenses itemized, receipts, etc.

c. Club Treasurer must fill out and deliver a disbursement authorization (Form 76) payable to ASI Poly Royal Carnival as shown on Line 4.

Memorandum

To : Clubs/Organizations

Date : April 7, 1980

File No.:

Copies :

From : Jill Ornelles
Coordinator for A.P.C.
Outreach Program

Subject:

The Activities Planning Center is currently developing an outreach program that would expand our services to people who normally do not come into our office. To achieve this, we are developing a resource directory to assist students in matching their interests with leisure activities available on campus and in the community.

We would like to include your club/organization in the resource directory. In order to have the correct information pertaining to your group, please complete the following page and return it to the Activities Planning Center by April 7th.

If you have any further questions, please contact me at 541-0531.

Thank you.

To

	fri	sat
10	FRANK WAGBZP 541-3719 BRAD NGBDE 546-2711	BILL WAGFSP 544-6659 BRAD NGBDE 546-2711
11	FRANK WAGBZP	ERIC W06DGX BILL WAGFSP
12	Troy Blomgren	Troy
1	Jay Hamlin	Jay Hamlin
2	Rick FURNES Greg Triplett	John Lawson WAGZXN 546-3408
3	Greg Triplett	
4	Wayne Ault Wd6EZQ 543-5789	
5	Wayne Ault Wd6EZQ 543-5789	

party Royal
can check
sign up for
hours name
& telephone
num.
Questions etc
Wayne W06EZQ
543-5789

To

GET YOUR MEAT & HUSSLE YOUR
BUNS DOWN TO THE:

HAM CLUB

BAR-B-QUE

@ MONTANA DE ORO

SATURDAY MAY 31

2:00 p.m.

BRING YOUR
WIVES and/or GIRLFRIENDS

DRINKS, CHIPS & ^{FELN}COND~~Φ~~MENTS
WILL BE PROVIDED

SIGN-UP FOR TRANSPORTATION

CAN GIVE
RIDE

NEED
RIDE

CURT 528-3709

FRANK 543-3719

BRAID 541-4422

SOFTBALL GAME
ON THE BEACH!!

(BRING YOUR MITS)

WHAT ABOUT FELSBEE'S?



Memorandum

To : ALL STUDENT ORGANIZATIONS AND
ASI GROUPS

Date : May 2, 1980

File No.:

Copies :

From : Harvey L. Blatter *HLB*
ASI Accountant

Subject: Purchases Chargable to Current Fiscal Year

We are requesting that all purchase order requests be submitted no later than May 23, 1980 and all payment requests be submitted no later than June 13, 1980 for items chargeable to the current fiscal year (1979-80).

Please note: Due to the increase in requests to review ledger accounts, we must have written approval by current group officers before non-members can review accounts.

POLY ROYAL 1980

PERMIT TO OPERATE

The POLY ROYAL EXECUTIVE BOARD hereby grants

AMATEUR RADIO CLUB permission to operate

the concession described by the accompanying contract during


the normal hours of Poly Royal '80. It is understood that

failure to comply with any of the contractual agreements,

including those of health and safety, will result in the

closing of the concession. Booth inspections will begin

after Opening Ceremonies on Friday.


Michael J. Edelman
Treasurer, Poly Royal Board

This permit MUST be posted in a conspicuous place.

Associated Students, Inc.
California Polytechnic State University
San Luis Obispo

CARNIVAL BOOTH APPLICATION FORM

Poly Amateur Radio Club
Name of Organization (please print)

CAN CRASHING CONTEST
Type and Description of Booth Activities

CHECK ONE:

- ☒ First Booth Application ("A" \$75.00; "B" \$25.00 + sliding profit sharing)
☐ Second Booth Application ("A" \$60.00; "B" \$15.00 + sliding profit sharing)
☐ Third Booth Application ("A" \$45.00; "B" \$5.00 + sliding profit sharing)

CHECK ONE:

- ☐ Option "A" Flat Fee of \$75.00 (includes \$25.00 basic fee)
☒ Option "B" Basic Fee of \$25.00 plus 5% of NET from \$10.00 to \$50.00
10% of NET from \$50.01 to \$100.00
15% of NET from \$100.01 to \$150.00
20% of NET from \$150.01 to \$200.00
25% of NET on anything over \$200.01

APPROXIMATE DIMENSIONS OF BOOTH

Length 10 feet
Width 10 feet

ESTIMATED MAXIMUM NUMBERS OF:

Booth personnel 3
Booth participants 4
(at any one time)

This will be our FIRST year of participation in the POLY ROYAL CARNIVAL.
(first, second, etc.)

Wayne Auto
(Carnival Booth Chairman)

(Carnival Booth Co-Chairman, if any)

Phone # 543-5789

Phone # _____

I HAVE READ, AND UNDERSTAND THE RULES AND REGULATIONS CONCERNING THE POLY ROYAL CARNIVAL.
I HEREBY AGREE THAT OUR ORGANIZATION SHALL ABIDE BY THEM. SIGNED,

Frank Vermont
Organization Chairman or President

Organization Carnival Chairman

E. J. Cleburne
Organization Advisor, Phone # _____

POWER REQUIREMENTS:

☒ None
☐ Lights Only _____ Number Needed
☐ Outlets Only _____ Number Needed
☐ Both _____ Lights _____ Outlets

** THIS APPLICATION WILL NOT BE ACCEPTED (OFFICIALLY) UNLESS ACCOMPANIED WITH THE "FEE"
DESIGNATED BY OPTION "A" OR "B". TURN IN DISBURSEMENT AUTHORIZATION MADE PAYABLE
TO A.S.I., WITH APPLICATION ATTACHED, TO A.S.I. BUSINESS OFFICE (U.U. 202).

Comments: Use back of form if necessary.

PACKING SLIP

CUSTOMER - BILL WEAVER - PRESIDENT

F/O N0031146 001

03/10/80

QNTY	CAT NO	CHAN FREQ	XTAL FREQ
1	163383	146.160000	30.332000

MOT RM27

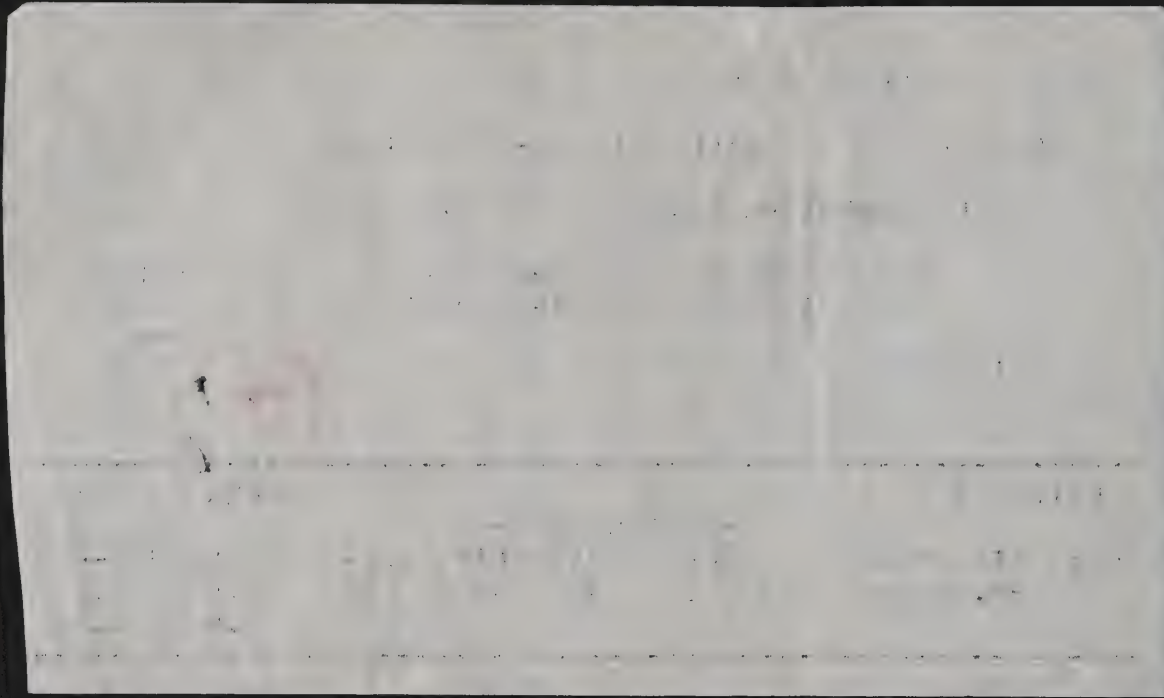


OVERTONE 3

PROCESS NO 81

--FINISH DEPT--

QNTY	XTAL FREQ	TOL	HLDR	LOAD	FCTR	CAL-T	ANGLE	PIN-PIN
1	30.332000	48	01	30	00	85	0.0	0.0
							0.0	0.0



LOW Frequency Crystals

70 KHz-999 KHz

Listed below is the data for the crystals and available mountings according to the various frequency ranges.

Mode of Oscillation

70-200 KHz... Length Shear
185-599 KHz... Edge Shear
600-999 KHz... Shear

Shunt Capacitance 7 pf (Maximum)

70-200 KHz... 10,000-7,000 Ohms
200-500 KHz... 6,500-11,000 Ohms
800-999 KHz... 625 Ohms

Drive (Maximum)

70-499 KHz 2 Milliwatts
500-999 KHz 10 Milliwatts

Remember: Just any crystal and just any oscillator will not combine to produce designated spot frequencies!

Description and Data: All of these crystals are of the plated, wire mounted type. Low drift, AT-cut blanks are used in these units above 600 KHz, and low drift CT-cut, DT-cut, SL-cut, and 5°X blanks are used in units below 600 KHz. Any crystal can be supplied for operation with or without an oven.

Type Specifications

General Purpose (GP) crystals will be calibrated to within $\pm .02\%$ of frequency below 600 KHz and $\pm .01\%$ above 600 KHz when operated into the customers specified fundamental load capacitance. GP crystals from 600 to 999 KHz will hold temperature tolerance of $\pm .005\%$ from -30° to 60°C and $\pm .02\%$ for frequencies below 600 KHz.

The calibration will be $\pm .01\%$ for frequencies above 600 KHz.

Commercial Standard (CS) crystals will be calibrated as noted in the table, as specified for operation in customers load. CS crystals will hold temperature tolerance of $\pm .003\%$ from -30° to 60°C above 600 KHz and $\pm .02\%$ below 600 KHz.

Calibration Temperature	Range	Type	Holder	Load	Series
26°C	70-99 KHz*	100-499 KHz*	500-849 KHz	850-999 KHz	0
60°C	4	2	4	5	1
75°C	4	2	4	5	2

Calibration Temperature	Range	Type	Holder	Load	Series
26°C	70-99 KHz*	100-499 KHz*	500-849 KHz	850-999 KHz	0
60°C	4	2	4	5	1
75°C	4	2	4	5	2

Calibration Temperature	Range	Type	Holder	Load	Series
26°C	70-99 KHz*	100-499 KHz*	500-849 KHz	850-999 KHz	0
60°C	4	2	4	5	1
75°C	4	2	4	5	2

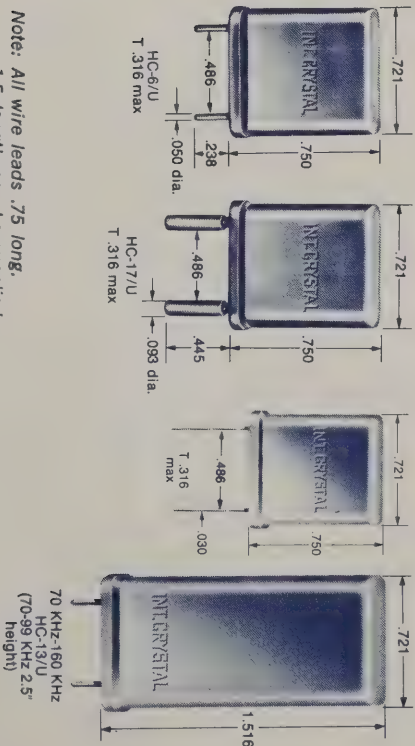
*Note 70-160 KHz Available Only In F-13 Holder

When ordering, specify the following for each crystal:

Quantity
Catalog Number
Crystal Frequency

The table at right will enable you to convert the above information to the catalog number section of the M/S Order Card. The first two digits will relate to the calibration temperature, and the remaining four digits will relate to the crystal frequency, type, holder, and the circuit load, in this order.

Note: All wire leads .75 long, 1.5 length can be supplied if specified.



2-3

248 W 8-11 3-6

311

The American Radio Relay League Inc.
c/o Sally O'Dell
Newington, CT 06111

Dear Sally:

In answer to your first question, each member is assessed \$5 upon joining and if he or she wishes to use the facilities in the shack there is a fee of \$5 per quarter (We are on the quarter system here.) which gets the member unlimited 24 hr. use of all club equipment and facilities.

In answer to your next question I think a bit of an explanation is in order here. You see, Cal Poly is a generally used synonym for California Polytechnic State University much as USC is used for University of Southern California or MIT is used for Massachusetts Institute of Technology the only difference is that we do not gain the limelight as much and as such are not as well known.

And while our constitution may be changed to reflect the longer name the administrative paperwork is so great as to

suggest that an alternative be found. (The average time for any constitutional amendment to any club constitution to make through the school codes and bylaw committee is around six months for the most basic change.) Therefore, we would appreciate our constitution being accepted as is if at all possible.

Thank You Very Much

Bill Weaver
Cal Poly Amateur Radio Club
Box 53
Cal Poly
San Luis Obispo, CA 93407



THE AMERICAN RADIO RELAY LEAGUE, INC.

HEADQUARTERS SOCIETY OF THE INTERNATIONAL AMATEUR RADIO UNION

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111

HARRY J. DANNALS
W2HD, PRESIDENT

VICTOR C. CLARK
W4KFC, FIRST VICE PRES.

NOEL B. EATON
VE3CJ, VICE PRES

CARL L. SMITH
W0BWW, VICE PRES.

JOHN HUNTOON
W1RW, TREASURER

RICHARD L. BALDWIN
W1RU, SEC & GEN MGR

203-666-1541

QST
OFFICIAL JOURNAL

April 22, 1980

California Polytechnic State University ARC
c/o Bill Weaver, WA6FSP, President
Box 53
Cal Poly
San Luis Obispo, CA 93407

Dear Bill:

We have received your application for League affiliation. Before we can continue processing, we would like to know the dues assessed each member.

Also, your constitution states the club name shall be "Cal Poly Amateur Radio Club." All category 3 clubs must clearly show the nature of the club in the name. If your constitution were changed to reflect another name (as California Polytechnic State University ARC) this requirement would be satisfied.

If you have any questions, please don't hesitate to contact me.

Sincerely,

Sally O'Dell, AE8P
Club Program Manager
Club and Training Dept.

SO:va

OSCAR TELEMETRY

Total Solar Array Current

$$I_t = 7.15 (101 - n) \text{ in mA}$$

BATTERY CHARGE OR DISCHARGE

+ for Chg - for Dischg

$$I_b = 57 (n - 50) \text{ in mA}$$

BATTERY VOLTAGE

$$V_b = 0.1n + 4.25 \text{ in Volts}$$

BASE PLATE TEMP

$$T_{bp} = 95.8 - 1.98n \text{ in } ^\circ\text{C}$$

BATTERY TEMP

$$T_b = 95.8 - 1.98n \text{ in } ^\circ\text{C}$$

RF Power Out Mode ✓

$$P = 23n \text{ in mW}$$

AMSAT NET

3850 @ 1900 LCL

TUES W6EOW

$$T_{orb} = 103.230 \text{ min}$$

$$\text{INCREMENT} = 25.80 \times 5$$

$$\text{INCLINATION} = 98.9890$$

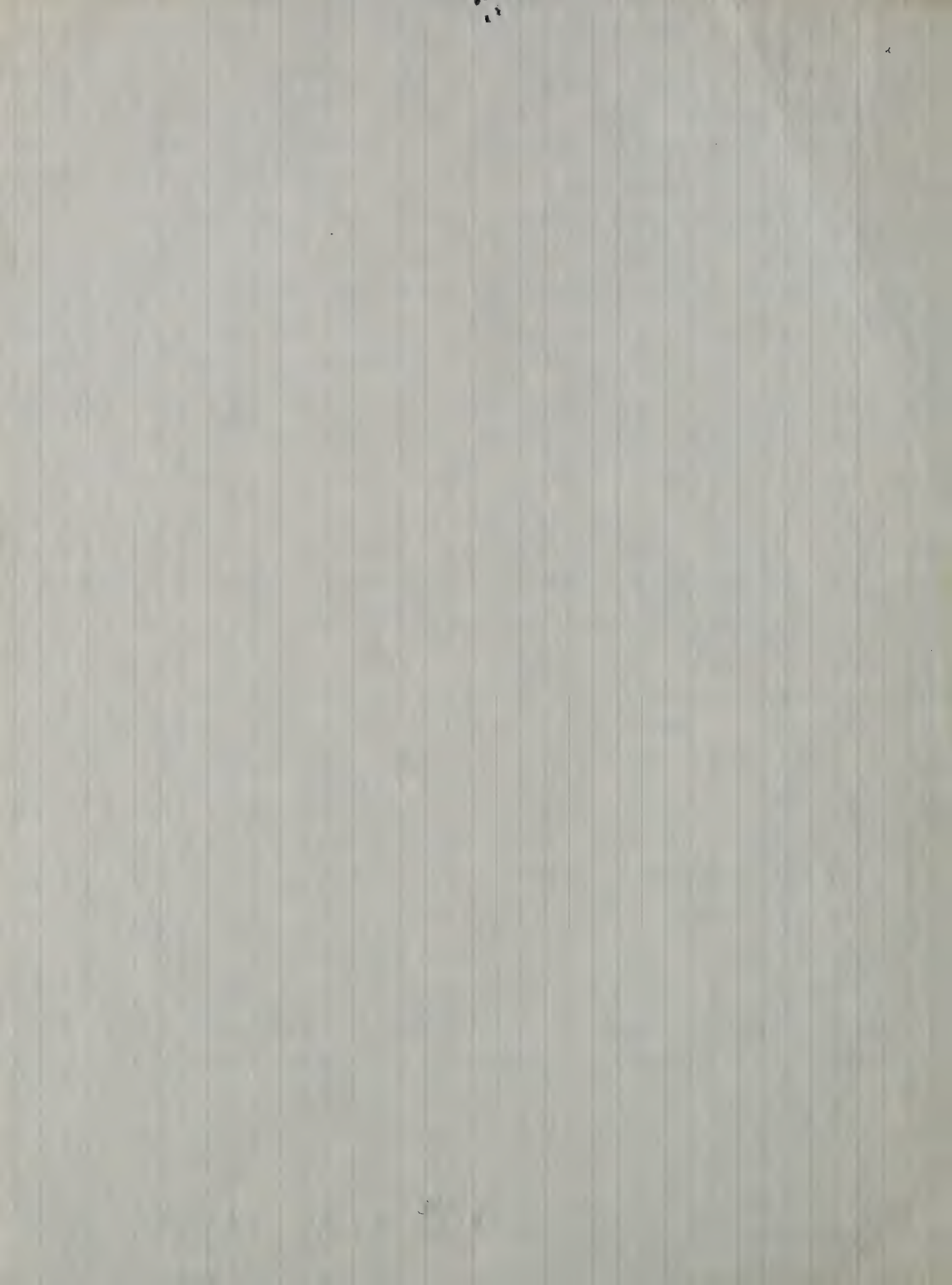
OPEN ON MARCH 19th

MODE U SAT : 64N

MODE A INT TH F

EXPERIMENTAL W6D

UP LINK 145.25 - 145.45 DN 29.4 - 29.5



OSCAR TELEMETRY
DATA

101 246 371 454
548 601

101 247 371 452
548 601

101 246 371 452
549 601

101 246 371 451
54? 601



TS 520X 3 PL TABI - KOROANU - 20M UP.

QSL - VIA BRUEAU

J~~I~~1SSB 57 KONGS - TOKYO
TOMO



thomas advertising & publishing

2527-D West 237th Street, Torrance, California 90505 • (213) 326-8323

January 30, 1980

Cal Poly Amateur Radio Club
Box 53
California Polytechnic State University
San Luis Obispo, CA 93407

Dear Mr. Weaver,
Since Standard Communications Corporation is no longer supplying service manuals for equipment not in current production, your order for the manual indicated has been forwarded to us.

<u>Quantity</u>	<u>Manual</u>	<u>Cost</u>
1	SR-C803L	10.00
	.6% tax	<u>.60</u>
		10.60

The above costs include shipping and handling.
We will ship immediately upon receipt of your
check or money order.

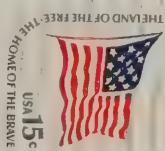
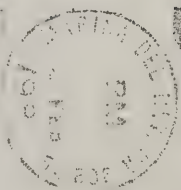
Sincerely,

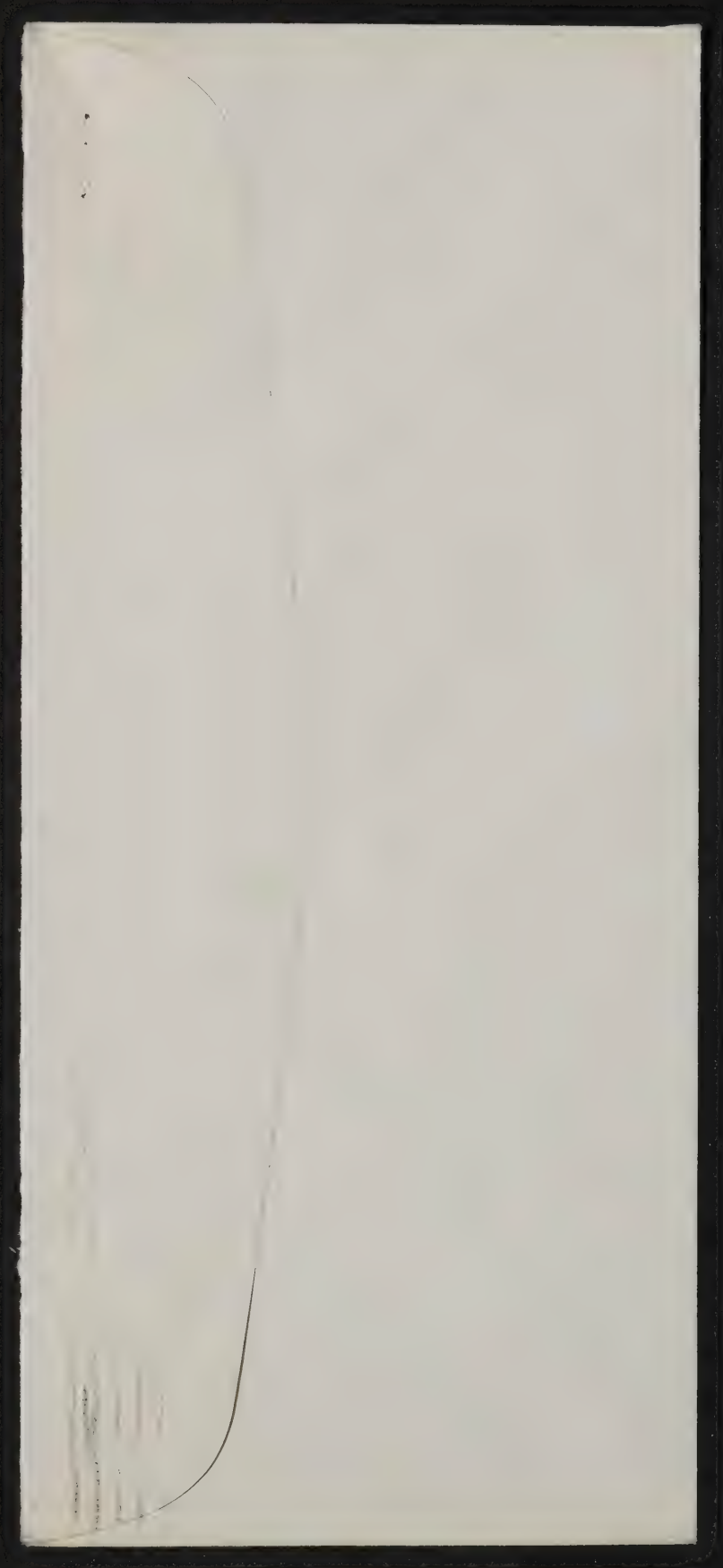
THOMAS ADVERTISING & PUBLISHING

dld

THOMAS ADVERTISING & PUBLISHING
2527-D West 237th Street
Torrance, California 90505
(213) 326-8323

Cal Poly Amateur Radio Club
California Polytechnic State University
Box 53
San Luis Obispo, CA 93407





74502

61

Ca# 74153

CH 830

~~NET~~

INTERNATIONAL CRYSTAL MFG. CO. INC.
10 NORTH LEE
OKLAHOMA CITY, OK 73102

DEAR SIR;

PLEASE SEND US ONE (1) COMMERCIAL
STANDARD CRYSTAL FOR OUR MOTOROLA RECEIVER.
(MODEL/ITEM # TRD1041AB, CHASSIS # 63E856855A)
TO RECEIVE ON 146-16 MHZ (CRYSTAL FREQ 30.332MHZ
IN AN HC-6/U HOLDER) PLEASE FIND A CHECK
FOR \$4.30 ENCLOSED, PLEASE BILL US FOR
ANY EXTRA ASSUMING THE PRICE HAS GONE UP.

BILL WEAVER
PRESIDENT
CAL POLY AMATEUR RADIO CLUB
BOX 53
CALIFORNIA POLYTECHNIC STATE UNIV.
SAN LUIS OBISPO, CA 93407

FEB 11 1970

Bill Weaver



PLEASE REFER TO THE BOTTOM OF THE PAGE

C-3089

INTERNATIONAL CRYSTAL MANUFACTURING CO., INC.
10 North Lee, Oklahoma City, Ok. 73102

Dear Customer:

We are pleased to acknowledge receipt of your order inquiry. While processing the data you have furnished, we noted discrepancies on the following items # 1.

ICM can manufacture a crystal if we are furnished the following basic information.

- A. Crystal Frequency
- B. Holder Style
- C. Oscillator load capacitance

So that we may complete your requirements, we would appreciate your furnishing the following additional information, as we have indicated (X).

Option 1 _____

- 1A. Specify crystal frequency
- 1B. Specify Holder
- 1C. Forward a copy of oscillator circuit or specify load capacitance.
- 1D. Specify Equipment Mfr. and Model Number.

Option 2 _____

- 2A. Specify crystal frequency
- 2B. Forward a working sample crystal to be used as a correlation master.

→ Other X

Please specify Motorola crystal type
number such as ZNN3, RM-10, etc., as
this is the only way ICM has Motorola listed.

Reply to the above request: _____

Thank you,
ICM Sales.

DATE 2-26-80

PLEASE RETURN ALL ATTACHED PAPERS WITH YOUR REPLY SINCE NO INFORMATION HAS BEEN RETAINED.

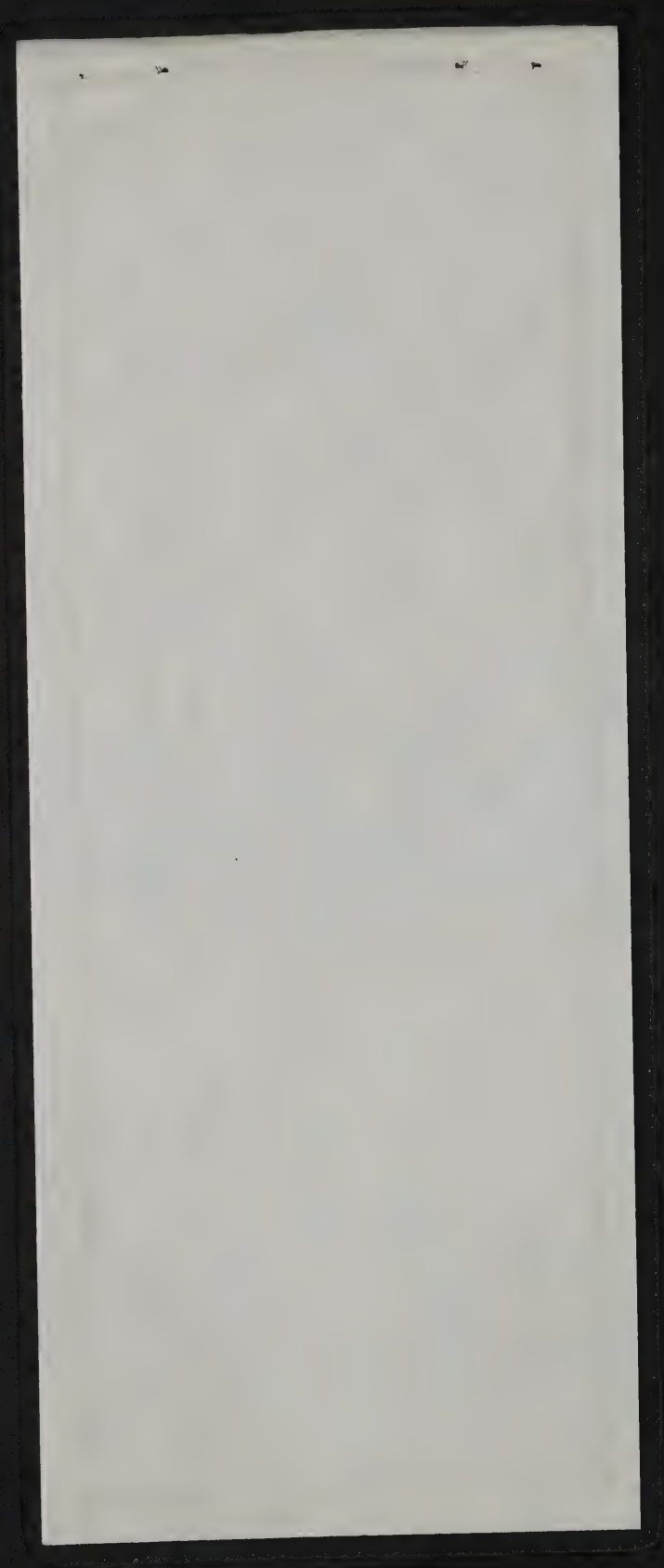
***For fast processing of your
orders, include your file number***

74502

YOUR NUMBER

Your name and current address are stored in this file as well as information on your working orders.







International Crystal Manufacturing Company, Inc.

10 North Lee Street Oklahoma City OK 73102

0031146 74502 WEAVJ

SOLD TO

BILL WEAVER - PRESIDENT
BOX 53 - CAL POLY AM RD C
CA POLYTECHNIC ST UNIV
SAN LUIS OBISPO CA 93407

SHIPPED TO

BILL WEAVER - PRESIDENT
BOX 53 - CAL POLY AM RD C
CA POLYTECHNIC ST UNIV
SAN LUIS OBISPO CA 93407

DATE ENTERED	ITEMS	CUSTOMER ORDER NO.	FACTORY ORDER NO.	TERMS	INVOICE DATE	INVOICE NO.
03/10/80	1		0031146	CASH		

SHIP VIA BEST WAY SHIPPING CHARGES PPD / FOB FACT. /INS W/B NO.

ITEM	QNTY	CAT. NO.	CHAN. MHZ	CRYSTAL FREQ	PRICE	TOTAL
1	1	163383 MOT RM27	146.160000	30.332000 MHZ	9.63	9.63

ORDER TOTAL \$ 9.63
SHIPPING-HANDLING 0.00
TOTAL 9.63
REMITTANCE 8.30
PAY BALANCE DUE \$ 1.33

Scheduled shipping date 03/31/80

STAMP



International Crystal Manufacturing Company, Inc.

10 North Lee
Oklahoma City, Okla. 73102



Dear International Customer:

Thank you for your order. Attached is a copy of the processed order as it is being entered for production. Please check the information and notify us of any discrepancy. To insure proper credit and prevent any delay in the shipment of your order, please return the acknowledgment copy or refer to your factory order number with your remittance.

IMPORTANT



On inquiries on the status of your order, please refer to your Customer File Number and to the Factory Order Number given on the acknowledgment copy. Without these numbers it will be impossible for us to furnish information on your order.

INTERNATIONAL CRYSTAL MANUFACTURING COMPANY, INC.

10 North Lee, Oklahoma City, Oklahoma 73102



INTERNATIONAL CRYSTAL MFG.

10 North Lee, Oklahoma City, OK. 73102

Customer
PO#

Customer
Name

ORDER FORM

File
Number

Item No.	QUANTITY	CATALOG NUMBER (Note 1)	CHANNEL/CRYSTAL FREQUENCY (Note 2)	Equipment Type (See Note 4)	Unit Price	Total Price
			MHZ KHZ HZ CH* XT			

*SEE REVERSE SIDE
FOR NOTES

Total Number Items
This Order

*CH OR XT
SEE NOTE 3

Tax If
Applicable

Total Remittance
This Order

INTERNATIONAL CRYSTAL MFG.

10 North Lee, Oklahoma City, OK. 73102

Customer
PO#

Customer
Name

ORDER FORM

File
Number

Item No.	QUANTITY	CATALOG NUMBER (Note 1)	CHANNEL/CRYSTAL FREQUENCY (Note 2)	Equipment Type (See Note 4)	Unit Price	Total Price
			MHZ KHZ HZ CH* XT			

*SEE REVERSE SIDE
FOR NOTES

Total Number Items
This Order

*CH OR XT
SEE NOTE 3

Tax If
Applicable

Total Remittance
This Order

NOTE 1
Catalog numbers normally have six digits. Special numbers may have seven digits, and/or characters.

NOTE 2
When using the ICM "40" series catalog number, you must specify CRYSTAL FREQUENCY. Catalog numbers assigned to specific equipment require CHANNEL FREQUENCY, since the file information contains the formula for calculating the crystal frequency. This would not apply to IF or special crystals.

NOTE 3
Circle letter CH for channel frequency.
Circle letter XT for crystal frequency.

NOTE 4
If you wish to have ICM check your catalog number, please list the type of equipment or equipment manufacturer's crystal number. Also, listing the crystal frequency you have determined will allow a cross check of catalog number and channel calculations. In cases where such information is not supplied, the crystal will be shipped for the catalog number and channel frequency specified.

NOTE 1
Catalog numbers normally have six digits. Special numbers may have seven digits, and/or characters.

NOTE 2
When using the ICM "40" series catalog number, you must specify CRYSTAL FREQUENCY. Catalog numbers assigned to specific equipment require CHANNEL FREQUENCY, since the file information contains the formula for calculating the crystal frequency. This would not apply to IF or special crystals.

NOTE 3
Circle letter CH for channel frequency.
Circle letter XT for crystal frequency.

NOTE 4
If you wish to have ICM check your catalog number, please list the type of equipment or equipment manufacturer's crystal number. Also, listing the crystal frequency you have determined will allow a cross check of catalog number and channel calculations. In cases where such information is not supplied, the crystal will be shipped for the catalog number and channel frequency specified.

Remember to include your FILE NUMBER
REMARKS

INTERNATIONAL CRYSTAL MANUFACTURING CO. does not assume responsibility in collecting applicable state use taxes other than Oklahoma, and those states with which Oklahoma has a Reciprocal agreement. It is assumed that customers will declare and pay said use tax to their respective state.

All claims for defective workmanship or material must be made in writing within 10 days after receipt at specified point of delivery. Any claims made after this time will not be recognized. Returned material will not be accepted unless we previously authorize return of same in writing.

Remember to include your FILE NUMBER
REMARKS

INTERNATIONAL CRYSTAL MANUFACTURING CO. does not assume responsibility in collecting applicable state use taxes other than Oklahoma, and those states with which Oklahoma has a Reciprocal agreement. It is assumed that customers will declare and pay said use tax to their respective state.

All claims for defective workmanship or material must be made in writing within 10 days after receipt at specified point of delivery. Any claims made after this time will not be recognized. Returned material will not be accepted unless we previously authorize return of same in writing.



International Crystal Manufacturing Company, Inc.

TEN NORTH LEE STREET / OKLAHOMA CITY, OKLAHOMA 73102 / 405 236-3741

0031146 074502 WEAV1

SOLD TO:

SHIPPED TO:

BILL WEAVER - PRESIDENT
BOX 53 - CAL POLY AM RD CL
CA POLYTECHNIC ST UNIV
SAN LUIS OBISPO CA 93407

DATE ENTERED	ITEMS	CUSTOMER ORDER NO.	FACTORY ORDER NO.	TERMS	INVOICE DATE	INVOICE NO.
03/10/80	1		0031146	CASH	03/20/80	80032511
SHIP VIA FIRST CLASS		SHIPPING CHARGES PPD / FOB FACT. /		W/B NO.		

ITEM	QNTY	CAT. NO.	CHAN. MHZ	CRYSTAL FREQ	PRICE	TOTAL
1	1	163383 MOT RM27	146.160000	30.332000 MHZ	9.63	9.63

ORDER AMOUNT \$ 9.63
SHIPPING-HANDLING 0.00
TAX 0.00
ORDER TOTAL 9.63
REMITTANCE 8.30

PAY BALANCE DUE 1.33

PAID CK # 688 3-19-80

INVOICE

Payable Under the terms stated below at 10 North Lee, Oklahoma City, Oklahoma

INTERNATIONAL CRYSTAL MANUFACTURING CO., does not assume responsibility in collecting applicable state use taxes other than Oklahoma, and those States with which Oklahoma has a Reciprocal Agreement. It is assumed that customers will declare and pay said use tax to their respective state.

All claims for defective workmanship or material must be made in writing within 10 days after receipt at specified point of delivery. Any claims made after this time will not be recognized. Returned material will not be accepted unless we previously authorized the return of same in writing.

PLEASE PAY FROM INVOICE. STATEMENTS

FURNISHED UPON REQUEST ONLY

We hereby certify that these goods were produced in compliance with all applicable requirements of section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and the Regulations and Orders of the United States Department of Labor, Issued Under Section 14 thereof.

1½% INTEREST PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS THE EQUIVALENT OF 18% PER ANNUM.

UNITED STATES OF AMERICA

UNITED STATES OF AMERICA
DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

MEMORANDUM FOR THE DIRECTOR, FBI
SUBJECT: [Illegible]

TO: [Illegible]
FROM: [Illegible]
DATE: [Illegible]
RE: [Illegible]

1. [Illegible]
2. [Illegible]
3. [Illegible]
4. [Illegible]
5. [Illegible]